

**PENDING CLAIMS 12/14/04**

18. A biodegradable depot medicament formulation comprising:

(i) a carrier system comprising a biodegradable blood plasma protein, which has been dried by fluidized bed drying with retention of its properties, wherein said blood plasma protein is selected from the group consisting of thrombin, fibrinogen, albumin, and mixtures thereof, and wherein the carrier system is in the form of microporous granules with a particle size in the range from 20 to 500  $\mu\text{m}$ , and

(ii) an active ingredient, which is to be administered as a depot or as an active ingredient combination.

19. The depot medicament formulation of claim 18, wherein the carrier system is a solid which has been produced by compression of the granules.

20. The depot medicament formulation of claim 18, characterized in that it is in the form of a granule mixture of particles of the carrier system and of the active ingredient.

21. The depot medicament formulation of claim 18, characterized in that it is in the form of mixed granules of the biodegradable blood plasma protein and of the active ingredient or of the active ingredient combination thereof.

22. The depot medicament formulation of claim 18, characterized in that it is composed of mixtures of particles or granules which are formed of an internal core and an external layer, wherein the external layer has been formed by the blood plasma protein, and the internal core comprises an inert excipient.

23. The depot medicament formulation of claim 22, wherein the inert excipient is a carbohydrate selected from the group consisting of lactose and mannitol.

24. The depot medicament formulation of claim 18, characterized in that it is in the form of compact homogeneous micropellets with an average particle diameter in the range from 35 to 500  $\mu\text{m}$ .

**PENDING CLAIMS 12/14/04**

25. The depot medicament formulation of claim 24, wherein the average particle diameter is in the range from 50 to 150  $\mu\text{m}$ .
26. The depot medicament formulation of claim 18, characterized in that it comprises ceramic granules, or calcium phosphates, or both, which have been compressed together to give a shaped article and which have then been coated with the blood plasma protein.
27. The depot medicament formulation of claim 26, wherein the blood plasma protein coating further comprises antibiotics, or growth factors, or both.
28. The depot medicament formulation of claim 18 or 27, wherein the active ingredient is selected from the group consisting of antibiotics, corticosteroids, antimycotics, neuroleptics, antiepileptics, steroid hormones, anticancer hormones, substances which promote wound healing, cytostatics, immunomodulators, anesthetics, analgesics, peptide hormones, antirheumatics, vaccines, antibodies, nucleic acids, peptides, proteins, growth factors, cells, and combinations thereof.
29. The depot medicament formulation of claim 18, characterized in that it is employed for topical administration.
30. The depot medicament formulation of claim 18, characterized in that it is employed for parenteral administration.
31. The depot medicament formulation of claim 18, characterized in that it is employed for transdermal administration.
32. The depot medicament formulation of claim 26 or 27, characterized in that it is employed as an implant.
33. The depot medicament formulation of claim 32, wherein the implant is a bone replacement.
34. A process for producing the depot medicament formulation of claim 18 comprising:

